

MODULE AND NOZZLE FOR DISPENSING CONTROLLED PATTERNS OF LIQUID MATERIAL

Abstract of the Disclosure

A liquid dispensing module and nozzle or die tip for discharging at least one liquid filament. The nozzle includes a wedge-shaped member having a pair of side surfaces converging to an apex. A liquid discharge passage extends along an axis through the wedge-shaped member and through the apex. The wedge-shaped member extends in a radially asymmetrical manner around the liquid discharge passage. Four air discharge passages are positioned at the base of the wedge-shaped member. At least one air discharge passage is positioned adjacent each of said side surfaces and each of the air discharge passages is angled in a compound manner generally toward the liquid discharge passage and offset from the axis of the liquid discharge passage.